

**K-378**

Total Pages : 3

Roll No. ....

**MBOT-608**

**PLANT PATHOLOGY**

M.Sc. Botany (MSCBOT)

4th Semester Examination, 2023 (Dec.)

**Time : 2 Hours]**

**[Max. Marks : 35**

**Note :** This paper is of Thirty Five (35) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

**SECTION–A**

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. What is heteroecism? Describe the disease cycle of any rust you have studied along with various control measures.
2. What do you understand by plant disease management? What are the fundamental principles of disease control?
3. Give an account of causal organisms, symptoms and control measures of any two viral diseases studied by you.
4. Describe the various type of symptoms of plants disease.
5. Discuss the stages of disease development in plants.

### **SECTION-B**

#### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. Plant diseases caused by phytoplasma.
2. Crown gall disease.
3. Tikka disease of groundnut.
4. Powdery mildew.

5. Phytoalexins.
  6. Brief account on history of plant pathology.
  7. Structural defense mechanism found in plants.
  8. Vascular wilt.
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